

**Beckett**<sup>TM</sup>

COMMERCIAL PRODUCTS

Models: CG10(A) • CG15 • CG25 • CG50



**OEM Setup Guide**

# COMMERCIAL GAS BURNERS

*Specifications for commercial and industrial gas-fired heating appliances.*

## Commercial Gas Burner OEM Setup Guide

### Armstrong LG-14

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
280 LP	CG10	On/Off	282	1.9	10.1S / 10.1	-	1.5 / 0	2.25"
280 Nat	CG10	On/Off	284	2.2	10.1S / 10.1	-	1.5 / 0	2.25"
350 LP	CG10	On/Off	350	2.9	10.1S / 10.1	-	2.5 / 0	2.25"
350 Nat	CG10	On/Off	351	3.4	10.1S / 10.1	-	3 / 0	2.25"
420 LP	CG10	On/Off	422	1.3	10.3S / 10.3	-	4 / 0	2.25"
420 Nat	CG10	On/Off	419	1.2	10.3S / 10.3	-	3.5 / 0	2.25"
500 LP	CG10	On/Off	498	1.8	10.3S / 10.3	-	6.5 / 0	2.25"
500 Nat	CG10	On/Off	499	1.7	10.3S / 10.3	-	5.5 / 0	2.25"

# Commercial Gas Burner OEM Setup Guide

## Buderus G315

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
5	CG10	Low Fire Start	437	1.0 / 1.8	10.2S / 10.2	-	4.5 / 0	4.50"
6	CG10	Low Fire Start	551	1.0 / 2.1	10.3S / 10.3	-	6.5 / 0	4.50"
7	CG10	Low Fire Start	678	1.0 / 3.6	10.4S / 10.4	-	8 / 0	4.50"
8	CG10	Low Fire Start	800	1.0 / 3.9	10.5S / 10.5	-	10 / 0	4.50"
9	CG10	Low Fire Start	906	1.0 / 3.8	10.6S / 10.5	-	10 / 3	4.50"

## Buderus SB615

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
145	CG10	Low Fire Start	497	0.9 / 1.8	10.3S / 10.3	-	8 / 0	6.50"
185	CG10	Low Fire Start	644	0.9 / 1.7	10.4S / 10.4	-	8 / 0	7.00"
240	CG10	Low Fire Start	835	1.0 / 2.0	10.5S / 10.5	-	10 / 2	7.00"
240	CG15	Mod	468 / 835	1.2 / 3.9	15.1S / 15.1	22 / 46	-	7.00"
310	CG10	Low Fire Start	1080	1.2 / 2.4	10.6S / 10.6	-	10 / 8	7.00"
310	CG15	Mod	641 / 1080	1.2 / 3.4	15.3S / 15.3	28 / 60	-	7.00"
400	CG25	Mod	669 / 1393	0.95 / 4.1	25.1S / 25.1	15 / 45	-	7.00"
510	CG25	Mod	896 / 1776	1.0 / 4.1	25.3S / 25.3	27 / 58	-	7.00"
640	CG50	Low/High	1101 / 2214	0.95 / 4.1	50.1S / 50.1	21 / 35	-	7.00"
640	CG50	Mod	892 / 2214	0.6 / 4.1	50.1S / 50.1	18 / 35	-	7.00"

## Buderus SB735

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
1200	CG50	Mod	1719 / 4162	0.7 / 5.0	50.5S / 50.5	26 / 86	-	9.00"
790	CG50	Mod	1245 / 2802	0.65 / 3.9	50.3S / 50.3	21 / 48	-	9.00"
970	CG50	Mod	1443 / 3378	0.78 / 4.3	50.4S / 50.4	23 / 65	-	9.00"

# Commercial Gas Burner OEM Setup Guide

## Burnham MPC

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
MPC 4	CG10	Low Fire Start	500	1.0 / 1.8	10.3 / 10.3	-	6/0	4.25"
MPC 5	CG10	Low Fire Start	773	1.6 / 3.2	10.5S / 10.4	-	10/0	4.25"
MPC 6	CG15	Mod	540 / 995	1.15 / 3.15	15.2S / 15.2	26 / 45	-	4.25"
MPC 7	CG15	Mod	628 / 1216	1.1 / 3.6	15.3S / 15.3	29 / 60	-	4.25"
MPC 8	CG15	Mod	668 / 1438	1.1 / 3.6	25.1S / 25.1	16 / 45	-	4.25"
MPC 9	CG25	Mod	772 / 1660	0.8 / 3.57	25.2S / 25.2	22 / 48	-	4.25"
MPC10	CG25	Mod	878 / 1881	0.75 / 3.4	25.3S / 25.3	25 / 54	-	4.25"
MPC11	CG25	Mod	1052 / 2103	0.9 / 3.6	25.4S / 25.4	27 / 62	-	4.25"
MPC12	CG25	Mod	1048 / 2325	0.9 / 4.2	25.4S / 25.4	29 / 83	-	4.25"
MPC13	CG50	Mod	1048 / 2325	0.8 / 3.6	50.2S / 50.2	20 / 39	-	4.25"
MPC14	CG50	Mod	1247 / 2769	0.7 / 3.4	50.3S / 50.3	22 / 43	-	4.25"
MPC15	CG50	Mod	1216 / 2991	0.7 / 4.0	50.3S / 50.3	22 / 50	-	4.25"
MPC16	CG50	Mod	1214 / 3213	0.7 / 4.3	50.3S / 50.3	21 / 70	-	4.25"
MPC17	CG50	Mod	1471 / 3435	0.7 / 4.0	50.4S / 50.4	24 / 60	-	4.25"
MPC18	CG50	Mod	1389 / 3657	0.7 / 4.9	50.4S / 50.4	25 / 72	-	4.25"

## Burnham V11

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
V1104	CG10	Low Fire Start	843	1.0 / 3.3	10.6S / 10.6	-	10 / 0	4.00"
V1104	CG15	Mod	478 / 845	1.1 / 3.45	15.1S / 15.1	22 / 42	-	4.00"
V1105	CG10	Low Fire Start	1070	1.0 / 4.75	10.6S / 10.6	-	10 / 5	4.00"
V1105	CG15	Mod	554 / 1078	0.9 / 3.8	15.2S / 15.2	25 / 50	-	4.00"
V1106	CG15	Mod	757 / 1343	1.15 / 3.3	15.4S / 15.4	33 / 67	-	4.00"
V1106	CG25	Mod	670 / 1340	0.8 / 3.1	25.1S / 25.1	15 / 40	-	4.00"
V1107	CG25	Mod	782 / 1588	0.75 / 3.1	25.2S / 25.2	21 / 46	-	4.00"
V1108	CG25	Mod	896 / 1876	0.77 / 3.36	25.3S / 25.3	27 / 55	-	4.00"
V1109	CG25	Mod	1037 / 2136	0.78 / 3.32	25.4S / 25.4	28 / 62	-	4.00"
V1110	CG25	Mod	1200 / 2396	0.74 / 2.94	25.5S / 25.5	32 / 95	-	4.00"
V1111	CG50	Mod	1052 / 2710	0.55 / 3.55	50.2S / 50.2	20 / 42	-	4.00"
V1112	CG50	Mod	1238 / 2915	0.55 / 2.9	50.3S / 50.3	21 / 42	-	4.00"
V1113	CG50	Mod	1228 / 3103	0.53 / 3.4	50.3S / 50.3	21 / 50	-	4.00"
V1114	CG50	Mod	1443 / 3392	0.54 / 2.97	50.4S / 50.4	23 / 50	-	4.00"
V1115	CG50	Mod	1443 / 3680	0.54 / 3.4	50.4S / 50.4	23 / 70	-	4.00"
V1116	CG50	Mod	1700 / 3897	0.57 / 3.0	50.5S / 50.5	26 / 65	-	4.00"
V1117	CG50	Mod	1700 / 4186	0.57 / 3.44	50.5S / 50.5	26 / 75	-	4.00"
V1118	CG50	Mod	1700 / 4474	0.56 / 3.85	50.5S / 50.5	26 / 85	-	4.00"
V1119	CG50	Mod	1703 / 4713	0.57 / 4.15	50.5S / 50.5	26 / 95	-	4.00"

## Commercial Gas Burner OEM Setup Guide

### Burnham V9A

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
V903A	CG10	Low Fire Start	442	1.1 / 2.5	10.1S / 10.1	-	10 / 1	4.125"
V904A	CG10	Low Fire Start	618	1.1 / 2.6	10.4S / 10.4	-	5 / 2	4.125"
V905A	CG10	Low Fire Start	811	1.2 / 3.3	10.5S / 10.5	-	7 / 1	4.125"
V906A	CG10	Low Fire Start	1010	1.2 / 4.0	10.6S / 10.6	-	10 / 6	4.125"
V907A	CG15	Mod	641 / 1192	0.9 / 3.6	15.3S / 15.3	28 / 64	-	4.125"
V908A	CG15	Mod	736 / 1381	0.95 / 3.4	15.4S / 15.4	33 / 75	-	4.125"
V908A	CG25	Mod	752 / 1378	0.9 / 3.2	25.1S / 21.1	16 / 41	-	4.125"
V909A	CG25	Mod	774 / 1674	0.9 / 3.4	25.2S / 25.2	23 / 47	-	4.125"
V910A	CG25	Mod	896 / 1905	0.76 / 3.44	25.3S / 25.3	26 / 52	-	4.125"
V911A	CG25	Mod	1041 / 2108	0.8 / 3.2	25.4S / 25.4	28 / 62	-	4.125"
V912A	CG50	Mod	1027 / 2360	0.55 / 2.6	50.2S / 50.2	20 / 38	-	4.125"

### Crown 24

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
03	CG10	Low Fire Start	442	1.1 / 2.5	10.1S / 10.1	-	10 / 1	4.125"
04	CG10	Low Fire Start	618	1.1 / 2.6	10.4S / 10.4	-	5 / 2	4.125"
05	CG10	Low Fire Start	811	1.2 / 3.3	10.5S / 10.5	-	7 / 1	4.125"
06	CG10	Low Fire Start	1010	1.2 / 4.0	10.6S / 10.6	-	10 / 6	4.125"
07	CG15	Mod	641 / 1192	0.9 / 3.6	15.3S / 15.3	28 / 64	-	4.125"
08	CG15	Mod	736 / 1381	0.95 / 3.4	15.4S / 15.4	33 / 75	-	4.125"
08	CG25	Mod	752 / 1378	0.9 / 3.2	25.1S / 25.1	16 / 41	-	4.125"
09	CG25	Mod	774 / 1674	0.9 / 3.4	25.2S / 25.2	23 / 47	-	4.125"
10	CG25	Mod	896 / 1905	0.76 / 3.44	25.3S / 25.3	26 / 52	-	4.125"
11	CG25	Mod	1041 / 2108	0.8 / 3.2	25.4S / 25.4	28 / 62	-	4.125"
12	CG50	Mod	1027 / 2360	0.55 / 2.6	50.2S / 50.2	20 / 38	-	4.125"

# Commercial Gas Burner OEM Setup Guide

## H. B. Smith 19A

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
19A- 3	CG10	Low Fire Start	369	0.7 / 2.2	10.1 / 10.1	-	4.5 / 0	4.00"
19A- 4	CG10	Low Fire Start	523	0.8 / 2.3	10.3 / 10.3	-	5.5 / 0	4.00"
19A- 5	CG10	Low Fire Start	728	1.5 / 3.7	10.4S / 10.4	-	10 / 2	4.00"
19A- 6	CG10	Low Fire Start	942	1.7 / 4.7	10.5S / 10.5	-	10 / 4	4.00"
19A- 6	CG15	Mod	467 / 940	1.0 / 4.1	15.1S / 15.1	22 / 47	-	4.50"
19A- 7	CG15	Mod	551 / 1160	0.9 / 4.25	15.2S / 15.2	25 / 55	-	4.50"
19A- 8	CG15	Mod	647 / 1328	0.95 / 4.2	15.3S / 15.3	28 / 70	-	4.50"
19A- 9	CG25	Mod	667 / 1558	0.7 / 4.2	25.1S / 25.1	17 / 52	-	4.50"
19A-10	CG25	Mod	762 / 1762	0.7 / 3.8	25.2S / 25.2	22 / 56	-	4.50"
19A-11	CG25	Mod	882 / 2006	0.7 / 3.9	25.3S / 25.3	26 / 71	-	4.50"
19A-12	CG25	Mod	1044 / 2157	0.75 / 3.5	25.4S / 25.4	28 / 68	-	4.50"

## H. B. Smith 28A

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
28A- 4	CG15	Mod	581 / 1156	1.05 / 4.4	15.2S / 15.2	25 / 50	-	4.875"
28A- 5	CG25	Mod	758 / 1506	0.7 / 2.95	25.2S / 25.2	21 / 43	-	4.875"
28A- 6	CG25	Mod	899 / 1833	0.7 / 3.15	25.3S / 25.3	25 / 50	-	4.875"
28A- 7	CG25	Mod	1051 / 2179	0.75 / 3.45	25.4S / 25.4	28 / 60	-	4.875"
28A- 7	CG50	Low/High	1085 / 2182	0.85 / 3.5	50.1S / 50.1	20 / 35	-	4.875"
28A- 7	CG50	Mod	890 / 2182	0.6 / 3.5	50.1S / 50.1	17 / 35	-	4.875"
28A- 8	CG25	Mod	1201 / 2527	0.7 / 3.3	25.5S / 25.5	32 / 105	-	4.875"
28A- 8	CG50	Low/High	1259 / 2507	0.8 / 3.2	50.2S / 50.2	23 / 40	-	4.875"
28A- 8	CG50	Mod	1047 / 2507	0.6 / 3.2	50.2S / 50.2	20 / 40	-	4.875"
28A- 9	CG50	Mod	1235 / 2862	0.6 / 3.1	50.3S / 50.3	21 / 42	-	4.875"
28A- 9	CG50	Low/High	1420 / 2862	0.8 / 3.1	50.3S / 50.3	24 / 42	-	4.875"
28A-10	CG50	Low/High	1599 / 3222	0.9 / 3.8	50.3S / 50.3	26 / 65	-	4.875"
28A-10	CG50	Mod	1234 / 3222	0.6 / 3.8	50.3S / 50.3	21 / 65	-	4.875"
28A-11	CG50	Low/High	1683 / 3521	0.8 / 3.3	50.4S / 50.4	26 / 52	-	4.875"
28A-11	CG50	Mod	1452 / 3521	0.55 / 3.3	50.4S / 50.4	23 / 52	-	4.875"
28A-12	CG50	Low/High	1931 / 3918	0.8 / 3.1	50.5S / 50.5	29 / 65	-	4.875"
28A-12	CG50	Mod	1707 / 3918	0.55 / 3.1	50.5S / 50.5	27 / 65	-	4.875"
28A-13	CG50	Mod	1712 / 4199	0.55 / 3.5	50.5S / 50.5	27 / 85	-	4.875"
28A-13	CG50	Low/High	2108 / 4199	0.9 / 3.5	50.5S / 50.5	31 / 85	-	4.875"
28A-14	CG50	Low/High	2262 / 4538	1.0 / 4.0	50.5S / 50.5	32 / 95	-	4.875"
28A-14	CG50	Mod	1732 / 4538	0.55 / 4.0	50.5S / 50.5	27 / 95	-	4.875"

## Commercial Gas Burner OEM Setup Guide

H. B. Smith HE28								
Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
HE28- 4	CG15	Mod	580 / 1146	1.15 / 4.55	15.2S / 15.2	25 / 58	-	4.875"
HE28- 5	CG25	Mod	730 / 1467	0.65 / 2.9	25.2S / 25.2	21 / 42	-	4.875"
HE28- 6	CG25	Mod	899 / 1794	0.75 / 3.15	25.3S / 25.3	25 / 50	-	4.875"
HE28- 7	CG25	Mod	1048 / 2097	0.8 / 3.35	25.4S / 25.4	28 / 60	-	4.875"
HE28- 7	CG50	Low/High	1058 / 2103	0.8 / 3.2	50.1S / 50.1	19 / 34	-	4.875"
HE28- 7	CG50	Mod	889 / 2103	0.55 / 3.2	50.1S / 50.1	17 / 34	-	4.875"
HE28- 8	CG25	Mod	1221 / 2411	0.8 / 3.25	25.5S / 25.5	32 / 105	-	4.875"
HE28- 8	CG50	Mod	1047 / 2435	0.55 / 3.1	50.2S / 50.2	20 / 38	-	4.875"
HE28- 9	CG50	Mod	1053 / 2724	0.55 / 3.8	50.2S / 50.2	21 / 43	-	4.875"
HE28- 9	CG50	Low/High	1367 / 2724	0.85 / 3.8	50.2S / 50.2	23 / 43	-	4.875"
HE28-10	CG50	Mod	1241 / 3081	0.55 / 3.5	50.3S / 50.3	21 / 50	-	4.875"
HE28-10	CG50	Low/High	1520 / 3081	0.8 / 3.5	50.3S / 50.3	25 / 50	-	4.875"
HE28-11	CG50	Mod	1463 / 3396	0.55 / 3.2	50.4S / 50.4	23 / 50	-	4.875"
HE28-11	CG50	Low/High	1676 / 3396	0.8 / 3.2	50.4S / 50.4	26 / 50	-	4.875"
HE28-12	CG50	Mod	1449 / 3679	0.55 / 3.7	50.4S / 50.4	26 / 60	-	4.875"
HE28-12	CG50	Low/High	1849 / 3679	0.85 / 3.7	50.4S / 50.4	30 / 60	-	4.875"
HE28-13	CG50	Mod	1711 / 3982	0.55 / 3.2	50.5S / 50.5	26 / 70	-	4.875"
HE28-13	CG50	Low/High	2009 / 3982	0.8 / 3.2	50.5S / 50.5	30 / 70	-	4.875"
HE28-14	CG50	Mod	1709 / 4299	0.55 / 3.7	50.5S / 50.5	26 / 90	-	4.875"
HE28-14	CG50	Low/High	2149 / 4299	0.85 / 3.7	50.5S / 50.5	31 / 90	-	4.875"

## Commercial Gas Burner OEM Setup Guide

### Peerless LC/LCE

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
LC04	CG10	Low Fire Start	691	1.4 / 3.2	10.5S / 10.4	-	7.5 / 0	3.00"
LC05	CG15	Low/High	468 / 881	0.8 / 2.9	15.2S / 15.1	25 / 40	-	3.00"
LC05R	CG15	Low/High	476 / 806	0.9 / 2.35	15.2S / 15.1	25 / 37	-	3.00"
LC06	CG15	Low/High	550 / 1086	0.9 / 3.9	15.2S / 15.2	25 / 52	-	3.00"
LC07	CG15	Low/High	641 / 1270	0.8 / 3.65	15.3S / 15.4	33 / 59	-	3.00"
LC07	CG25	Mod	659 / 1280	0.7 / 3.0	25.1S / 25.1	16 / 38	-	3.00"
LC08	CG25	Mod	669 / 1469	0.7 / 3.4	25.1S / 25.1	16 / 43	-	3.00"
LC09	CG25	Mod	774 / 1664	0.7 / 3.4	25.2S / 25.2	21 / 49	-	3.00"
LC10	CG25	Mod	896 / 1860	0.8 / 3.1	25.3S / 25.3	25 / 52	-	3.00"
LC11	CG25	Mod	1037 / 2059	0.7 / 3.1	25.4S / 25.4	28 / 60	-	3.00"
LC12	CG25	Mod	1184 / 2278	0.7 / 2.9	25.5S / 25.5	32 / 68	-	3.00"
LCE13	CG50	Mod	1060 / 2460	0.55 / 2.7	50.2S / 50.2	20 / 40	-	3.00"
LCE14	CG50	Mod	1044 / 2657	0.5 / 3.5	50.2S / 50.2	20 / 42	-	3.00"
LCE15	CG50	Mod	1228 / 2850	0.5 / 2.9	50.3S / 50.3	21 / 42	-	3.00"
LCE16	CG50	Mod	1228 / 3043	0.5 / 3.2	50.3S / 50.3	21 / 49	-	3.00"
LCE17	CG50	Mod	1228 / 3236	0.5 / 3.5	50.3S / 50.3	21 / 70	-	3.00"
LCE18	CG50	Mod	1439 / 3451	0.55 / 3.05	50.4S / 50.4	23 / 50	-	3.00"
LCE19	CG50	Mod	1443 / 3622	0.5 / 3.2	50.4S / 50.4	23 / 60	-	3.00"
LCE20	CG50	Mod	1443 / 3815	0.5 / 3.7	50.4S / 50.4	23 / 75	-	3.00"
LCE21	CG50	Mod	1700 / 4027	0.5 / 3.1	50.5S / 50.5	26 / 75	-	3.00"
LCE22	CG50	Mod	1700 / 4239	0.5 / 3.3	50.5S / 50.5	26 / 78	-	3.00"
LCE23	CG50	Low/High	2197 / 4450	0.75 / 3.8	50.5S / 50.5	33 / 82	-	3.00"
LCE23	CG50	Mod	1707 / 4450	0.55 / 3.8	50.5S / 50.5	26 / 82	-	3.00"

### Peerless SC/SCT

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
SC05	CG10	Low Fire Start	444	1.0 / 3.0	10.1 / 10.1	-	10 / 2	2.50"
SC06	CG10	On/Off	491	2.0	10.3 / 10.3	-	5 / 0	2.50"
SC07	CG10	On/Off	569	2.7	10.3 / 10.3	-	8 / 0	2.50"
SC08	CG10	Low Fire Start	656	1.5 / 3.4	10.4S / 10.4	-	6.5 / 0	2.50"
SC09	CG10	Low Fire Start	741	2.0 / 4.2	10.4S / 10.4	-	8.5 / 0	2.50"
SC10	CG10	Low Fire Start	802	2.0 / 3.9	10.5S / 10.5	-	10 / 3	2.50"

## Commercial Gas Burner OEM Setup Guide

### Peerless TC

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
TC-04	CG15	Mod	581 / 1156	1.05 / 4.4	15.2S / 15.2	25 / 50	-	4.875"
TC-05	CG25	Mod	758 / 1506	0.7 / 2.95	25.2S / 25.2	21 / 43	-	4.875"
TC-06	CG25	Mod	899 / 1833	0.7 / 3.15	25.3S / 25.3	25 / 50	-	4.875"
TC-07	CG25	Mod	1051 / 2179	0.75 / 3.45	25.4S / 25.4	28 / 60	-	4.875"
TC-07	CG50	Low/High	1085 / 2182	0.85 / 3.5	50.1S / 50.1	20 / 35	-	4.875"
TC-07	CG50	Mod	890 / 2182	0.6 / 3.5	50.1S / 50.1	17 / 35	-	4.875"
TC-08	CG25	Mod	1201 / 2527	0.7 / 3.3	25.5S / 25.5	32 / 105	-	4.875"
TC-08	CG50	Mod	1047 / 2507	0.6 / 3.2	50.2S / 50.2	20 / 40	-	4.875"
TC-08	CG50	Low/High	1259 / 2507	0.8 / 3.2	50.2S / 50.2	23 / 40	-	4.875"
TC-09	CG50	Low/High	1420 / 2862	0.8 / 3.1	50.3S / 50.3	24 / 42	-	4.875"
TC-09	CG50	Mod	1235 / 2862	0.6 / 3.1	50.3S / 50.3	21 / 42	-	4.875"
TC-10	CG50	Low/High	1599 / 3222	0.9 / 3.8	50.3S / 50.3	26 / 65	-	4.875"
TC-10	CG50	Mod	1234 / 3222	0.6 / 3.8	50.3S / 50.3	21 / 65	-	4.875"
TC-11	CG50	Mod	1452 / 3521	0.55 / 3.3	50.4S / 50.4	23 / 52	-	4.875"
TC-11	CG50	Low/High	1683 / 3521	0.8 / 3.3	50.4S / 50.4	26 / 52	-	4.875"
TC-12	CG50	Mod	1707 / 3918	0.55 / 3.1	50.5S / 50.5	27 / 65	-	4.875"
TC-12	CG50	Low/High	1931 / 3918	0.8 / 3.1	50.5S / 50.5	29 / 65	-	4.875"
TC-13	CG50	Low/High	2108 / 4199	0.9 / 3.5	50.5S / 50.5	31 / 85	-	4.875"
TC-13	CG50	Mod	1712 / 4199	0.55 / 3.5	50.5S / 50.5	27 / 85	-	4.875"
TC-14	CG50	Low/High	2262 / 4538	1.0 / 4.0	50.5S / 50.5	32 / 95	-	4.875"
TC-14	CG50	Mod	1732 / 4538	0.55 / 4.0	50.5S / 50.5	27 / 95	-	4.875"

### Scotch Marine

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
100HP	CG50	Mod	1700 / 4200	0.55 / 3.6	50.5S / 50.5	26 / 90	-	4.00"
20HP	CG15	Mod	468 / 840	0.9 / 3.44	15.1S / 15.1	23 / 43	-	4.12"
30HP	CG15	Mod	641 / 1260	0.9 / 3.86	15.3S / 15.3	24 / 80	-	4.12"
40HP	CG25	Mod	774 / 1680	0.75 / 3.58	25.2S / 25.2	22 / 48	-	4.12"
50HP	CG25	Mod	1037 / 2100	0.75 / 3.3	25.4S / 25.4	28 / 63	-	4.12"
60HP	CG50	Mod	1044 / 2520	0.55 / 3.32	50.2S / 50.2	21 / 41	-	4.00"
70HP	CG50	Mod	1228 / 2940	0.55 / 3.2	50.3S / 50.3	22 / 46	-	4.00"
80HP	CG50	Mod	1443 / 3360	0.55 / 3.26	50.4S / 50.4	23 / 48	-	4.00"
90HP	CG50	Mod	1443 / 3780	0.55 / 3.88	50.4S / 50.4	23 / 80	-	4.00"

# Commercial Gas Burner OEM Setup Guide

## Weil McLain 80

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
380	CG10	Low Fire Start	336	0.7 / 1.8	10.1S / 10.1	-	3 / 0	3.00"
480	CG10	Low Fire Start	491	0.8 / 1.45	10.3S / 10.3	-	6 / 0	3.00"
580	CG10	Low Fire Start	639	1.6 / 3.11	10.4S / 10.4	-	8 / 0	3.00"
680	CG10	Low Fire Start	787	1.7 / 3.3	10.5S / 10.5	-	8 / 1	3.00"
780	CG10	Low Fire Start	943	1.0 / 3.2	10.6S / 10.6	-	10 / 3	3.00"
780	CG15	Mod	461 / 945	1.0 / 4.2	15.1S / 15.1	22 / 50	-	4.00"
880	CG10	Low Fire Start	1067	1.0 / 4.1	10.6S / 10.6	-	10 / 4	4.00"
880	CG15	Mod	542 / 1072	0.9 / 3.5	15.2S / 15.2	25 / 47	-	4.00"
980	CG15	Mod	641 / 1230	0.95 / 3.49	15.3S / 15.3	28 / 65	-	4.00"
1080	CG15	Mod	742 / 1392	0.8 / 3.0	15.4S / 15.4	28 / 62	-	4.00"
1080	CG25	Mod	682 / 1378	0.75 / 3.0	25.1S / 25.1	15 / 42	-	4.00"
1180	CG25	Mod	774 / 1526	0.73 / 2.83	25.2S / 25.2	21 / 43	-	4.00"
1280	CG25	Mod	787 / 1670	0.75 / 3.1	25.2S / 25.2	21 / 48	-	4.00"

## Weil McLain 88

Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches
488 / 488R	CG10	Low Fire Start	995	1.0 / 3.8	10.6S / 10.6	-	10 / 4	4.00"
488 / 488R	CG15	Mod	550 / 991	0.9 / 3.2	15.2S / 15.2	25 / 45	-	4.00"
588	CG25	Mod	656 / 1382	0.75 / 3.1	25.1S / 25.1	17 / 40	-	4.00"
688	CG25	Mod	774 / 1703	0.76 / 3.62	25.2S / 25.2	21 / 51	-	4.00"
788	CG50	Mod	888 / 2053	0.55 / 2.5	50.1S / 50.1	17 / 32	-	4.00"
888	CG50	Mod	1040 / 2350	0.55 / 2.2	50.2S / 50.2	20 / 37	-	4.00"
988	CG50	Mod	1044 / 2713	0.54 / 3.77	50.2S / 50.2	20 / 42	-	4.00"
988R	CG50	Mod	1044 / 2482	0.55 / 3.12	50.2S / 50.2	20 / 39	-	4.00"
1088	CG50	Mod	1228 / 3103	0.55 / 3.52	50.3S / 50.3	21 / 53	-	4.00"
1088R	CG50	Mod	1228 / 2887	0.56 / 3.1	50.3S / 50.3	21 / 42	-	4.00"
1188	CG50	Mod	1443 / 3392	0.57 / 3.14	50.4S / 50.4	23 / 50	-	4.00"
1288	CG50	Mod	1443 / 3753	0.55 / 3.73	50.4S / 50.4	23 / 75	-	4.00"
1388	CG50	Mod	1700 / 4113	0.59 / 3.45	50.5S / 50.5	26 / 70	-	4.00"
1488	CG50	Mod	1762 / 4488	0.6 / 3.2	50.5S / 50.5	26 / 90	-	4.00"

## Commercial Gas Burner OEM Setup Guide

Weil McLain 88 Series 2									
Boiler	Burner	Firing Mode	Rate MBH	Manifold Pressure in. water	Head Type / Head Setting	Damper Setting Blue / Red	Shutter Band Settings	Air Tube Insertion Inches	
488	CG10	Low Fire Start	986	1.5 / 4.5	10.6S / 10.6	-	10/4	4.00"	
588	CG25	Mod	676 / 1357	0.8 / 3.5	25.1S / 25.1	16 / 41	-	4.00"	
688	CG25	Mod	784 / 1729	0.8 / 3.7	25.2S / 25.2	22 / 53	-	4.00"	
788	CG50	Mod	904 / 2017	0.6 / 3.1	50.1S / 50.1	19 / 32	-	4.00"	
888	CG50	Mod	1030 / 2396	0.5 / 3.05	50.2S / 50.2	20 / 39	-	4.00"	
988	CG50	Mod	1055 / 2666	0.6 / 3.75	50.2S / 50.2	20 / 43	-	4.00"	
1088	CG50	Mod	1228 / 3089	0.55 / 3.65	50.3S / 50.3	21 / 48	-	4.00"	
1188	CG50	Mod	1458 / 3403	0.6 / 3.6	50.4S / 50.4	23 / 53	-	4.00"	
1288	CG50	Mod	1462 / 3762	0.6 / 4.15	50.4S / 50.4	23 / 75	-	4.00"	
1388	CG50	Mod	1719 / 4171	0.65 / 4.0	50.5S / 50.5	26 / 70	-	4.00"	



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